| <br>x of Clai |  |
|---------------|--|
|               |  |

Application/Control No.

10/625,773

Examiner

Shih-wen Hsieh

Applicant(s)/Patent under Reexamination

SASA, MASAHIKO

Art Unit

2861

| √ | Rejected |
|---|----------|
| = | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

|          |          |          |              |              |              |  |                |              |  |  |   |              |          |          |          |           | -        |              |            |              |
|----------|----------|----------|--------------|--------------|--------------|--|----------------|--------------|--|--|---|--------------|----------|----------|----------|-----------|----------|--------------|------------|--------------|
| Cla      | im       |          |              |              |              | Date   |                |              |  |  |   | Cla          | aim      |          |          |           |          | ate          | •          |              |
| Final    | Original | 5/24/05  |              |              |              |  |                |              |  |  |   | Final        | Original |          |          |           |          |              | <u> </u>   |              |
|          | 1        | 1        |              |              | _            |  |                |              | ,  |  |   |              | 51       | ┪        | _        | $\exists$ |          |              |            | Γ            |
|          | 2        | T        |              |              |              |  |                |              |  |  |   |              | 52       | $\neg$   | 1        |           | _        |              |            |              |
|          | 3        | $\Pi$    |              |              |              |  |                |              |  |  |   |              | 53       |          |          |           |          |              |            |              |
|          | 4        | Π        |              |              |              |  |                |              |  |  |   |              | 54       |          |          |           |          |              |            |              |
|          | 5        | V        |              |              |              |  |                |              |  |  |   |              | 55       |          |          |           |          |              | Ш          | L            |
|          | 6        | 1        |              |              |              |  |                |              |  |  |   |              | 56       |          | ┙        | _         |          |              |            | L            |
|          | 7        | 0        |              |              |              |  |                |              |  |  |   |              | 57       |          | _        | _         |          |              |            | L            |
|          | 8        | 1        |              |              |              |  |                |              |  |  |   |              | 58       |          | _        | _         |          |              | <u></u>    | L            |
|          | 9        |          |              |              |              |  |                | L            |  |  |   |              | 59       | $\perp$  | 4        | _         |          |              |            | L            |
|          | 10       | 1        |              | _            | _            | <u> </u>   |                |              |  |  |   |              | 60       |          | 4        | _         |          |              | _          | L            |
|          | 11       | ₹        | _            | <u> </u>     |              |  |                |              |  | _                                      |   |              | 61       | _        | 4        | _         |          |              |            | L            |
|          | 12       | ┖        | $oxed{oxed}$ | <u> </u>     |              | L  |                |              |  | _                                      |   |              | 62       |          | 4        | _         |          |              |            | ⊢            |
|          | 13       | _        | $oxed{oxed}$ | <u> </u>     | _            | <u> </u>   | _              | <u> </u>     | L  |  |   |              | 63       |          | 4        | -         |          |              |            | ┡            |
|          | 14       | _        |              |              | <u> </u>     | L  |                |              | <u> </u>   | <u> </u>                               |   |              | 64       | -        |          | 4         |          |              | $\vdash$   | ┡            |
| <u> </u> | 15       | ┡        | ļ            |              | <u> </u>     | L  | _              | <u> </u>     | <u> </u>   | <u> </u>                               |   |              | 65       | -        | -+       | 4         |          | <u> </u>     | $\vdash$   | ⊢            |
|          | 16       | _        | _            | _            | <u> </u>     |  |                | <u> </u>     |  | <u> </u>                               |   |              | 66       |          | -        | $\dashv$  |          |              | ├—         | ⊦            |
| <u> </u> | 17       | _        | <u> </u>     | <u> </u>     | ┡            |  | _              | <u> </u>     | <u> </u>   | ┞                                      | 1 |              | 67       |          |          | $\dashv$  |          | -            | ├—         | ⊬            |
| <u> </u> | 18       | <u> </u> | ļ            |              | ┡            | _  | _              | _            | _  | $\vdash$                               | l |              | 68       | +        | -+       | 4         | _        |              | <u> </u>   | ⊢            |
|          | 19       | ▙        | ļ            |              | ┡            | <del> </del>                                     | 1              | <u> </u>     | L  | ┝                                      |   |              | 69       | $\dashv$ | +        | -         |          | <del> </del> | ⊢          | ⊢            |
| -        | 20       | ╀        | <u> </u>     | <u> </u>     |              | -  | ┝              | <del> </del> | 1  | ├-                                     | 1 | <u> </u>     | 70       |          | +        | -         |          | ├            | ├          | ⊢            |
| -        | 21       | ├        | ╀            | -            | ╁            | ├  | ├              | -            | ┢  | ├-                                     | ł | <del> </del> | 72       |          | +        | -         |          |              | $\vdash$   | ╁            |
| -        | 22       | ├-       | ╁            | ├            | ╁            |  | ├              |              | _  | -                                      | ł |              | 73       | $\dashv$ | +        | -         | _        |              | ⊢          | ╁            |
| -        | 23       | ╁╌       | ╁            | ┢            | ╁            |  | ├              | $\vdash$     |  | -                                      | ł |              | 74       |          | $\dashv$ | _         |          |              | ┢          | ╁            |
| $\vdash$ | 24<br>25 | ┼        | ╁            | ┢            | ╁            | <del>                                     </del> | ╁╌             |              |  | -                                      | ł |              | 75       |          | +        |           |          |              | ┢          | ╁╴           |
| $\vdash$ | 26       | 十        | ╁╾           | ╁            | <del> </del> | ╁  | $\vdash$       |              |  | -                                      | ł |              | 76       |          | 十        | _         |          |              | $\vdash$   | t            |
| $\vdash$ | 27       | ╁        | ┼╌           |              | ╁╌           | $\vdash$   | $\vdash$       |              | t  |  | 1 |              | 77       | 1        | 7        |           |          | 1            | Г          | T            |
|          | 28       | H        | ┢            | ┢            | 一            | $t^-$  |                |              | <del>                                     </del> |  | 1 |              | 78       |          | _        |           |          |              | Г          | T            |
| -        | 29       | $\vdash$ | 一            | <del> </del> |              | <del>                                     </del> | $\vdash$       |              | 1-   | <u> </u>                               | 1 |              | 79       |          | 寸        |           |          | $\vdash$     |            | T            |
|          | 30       | T        | T            | $\vdash$     | $\vdash$     | $\vdash$   |                |              | 1  | 1                                      | 1 |              | 80       | $\Box$   | $\neg$   |           |          |              | Г          | Γ            |
|          | 31       | ⇈        | T            | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$       | T            | _  | T                                      | 1 |              | 81       |          | $\neg$   |           |          |              | Γ          | Γ            |
|          | 32       | T        | T            | $\vdash$     | T            | _  | Г              | Г            | <del>                                     </del> | T                                      | 1 |              | 82       |          | T        |           |          |              |            | Γ            |
|          | 33       |          |              | 1            |              | 1  |                | Г            | Ī  |  | 1 |              | 83       |          |          |           |          |              |            | Γ            |
|          | 34       |          | Τ            | Γ            | Т            |  |                |              |  |  | ] |              | 84       |          |          |           |          |              |            | L            |
|          | 35       |          |              |              |              |  |                |              |  |  | ] |              | 85       |          |          |           |          |              | <u> </u>   | L            |
|          | 36       |          |              |              | L            |  |                |              |  |  |   |              | 86       |          |          |           | L.       | <u> </u>     |            | L            |
|          | 37       |          |              |              |              | <u>L</u>   |                | L            | _  |  | 1 | L.,          | 87       |          | _        |           | _        | _            | <u>L</u> . | ╀            |
|          | 38       |          |              |              |              |  | <u> </u>       | <u> </u>     | _  | 上                                      | 1 |              | 88       | $\sqcup$ | $\dashv$ |           |          | _            | <u> </u>   | ╀            |
|          | 39       |          | _            | <u> </u>     | _            | <u> </u>   | _              | Ļ            | 1_   | _                                      | 1 | <u> </u>     | 89       | $\sqcup$ |          |           | _        | <u> </u>     | ـــــ      | ╀            |
|          | 40       | _        | 1_           | $oxed{oxed}$ | ╙            |  | 1_             | L            |  | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | 1 |              | 90       | ┡        | 4        | _         | <u> </u> | ļ            | ┼          | ╀            |
|          | 41       | ╄        | ↓            | ╙            | ↓_           | <u> </u>   | <del> </del> _ | _            | 1  | <b>↓</b>                               | 1 | <u> </u>     | 91       | $\vdash$ |          |           | L        | ├-           | ₩          | ╀            |
|          | 42       | 1        | <del> </del> | ╄            | _            | ـ  | ↓_             | ┺            | ╀  | ╀                                      | 4 | <u> </u>     | 92       | $\vdash$ |          |           | <u> </u> | <del> </del> | ⊢          | ╀            |
| <u> </u> | 43       | ╄-       | +            | ₩            |              |  | -              |              | ╄  | +                                      | - | <u></u>      | 93       | ⊢⊦       | $\dashv$ | _         | $\vdash$ | <del> </del> | +          | +            |
| <u> </u> | 44       | +        | +            | ┼            | +            | +  | +-             | +            | ├-   | ╁                                      | - | <u> </u>     | 94<br>95 | $\vdash$ | -        | _         | -        | $\vdash$     | $\vdash$   | +            |
| <u> </u> | 45       | +        | ┼            | ┼            | +            | +  | +              |              | $\vdash$   | +-                                     | - |              | 96       | $\vdash$ | $\dashv$ | _         | -        | ╁            | +-         | +            |
| <u> </u> | 46       | ╁        | ╁            | ╀            | +            | +  | +-             | $\vdash$     | +  | ╁                                      | + | $\vdash$     | 97       | $\vdash$ |          |           | $\vdash$ | +            | +          | $^{+}$       |
| _        | 47<br>48 | +        | +            | ╁            | +            | +  | +              | ╁            | ╁╴   | +-                                     | 1 | -            | 98       | $\vdash$ | $\dashv$ |           | $\vdash$ | ╁            | +          | $\dagger$    |
| -        | 48       | ╁        | +-           | +            | +-           | +-   | +              | +            | +  | +                                      | 1 | <del> </del> | 99       | ┥        | $\dashv$ |           | $\vdash$ | +            | +-         | $^{\dagger}$ |
|          | 50       | ╁╌       | +            | +-           | +-           | +-   | +              | ╁            | ╁  | +                                      | 1 | -            | 100      | $\vdash$ | $\dashv$ | -         | $\vdash$ | +            | +          | +            |
| L        | 1 30     | Ц_       | 丄            | 1_           |              | Ь  |                | _            |  |  | ل |              | 1,00     | ш        | 1        |           |          | 1            |            | _            |

|          |          |                                     |   | _            |                | _            |                |                |  |              |
|----------|----------|-------------------------------------|---|--------------|----------------|--------------|----------------|----------------|--|--------------|
| Final    | Original |                                     |   |              |                |              |                |                |  |              |
| $\vdash$ | 51       | $\dashv$                            |   |              | $\vdash$       | -            | -              |                | _                                      |              |
| $\vdash$ | 52       | $\dashv$                            |   | ┢            | -              | ⊢            |                |                | _                                      | -            |
|          | 52<br>E2 | $\dashv$                            | _   |              | $\vdash$       | $\vdash$     | _              |                |  | -            |
| $\vdash$ | 53       | $\dashv$                            |   |              | ┝              | ⊢            | _              |                | _                                      | _            |
|          | 54<br>55 | $\dashv$                            |   | ⊢            | <del> </del>   | $\vdash$     | -              | $\vdash$       | _                                      | _            |
| -        | 22       | $\dashv$                            | _   | ⊢            | -              |              |                | H              |  | $\vdash$     |
| -        | 56<br>57 |                                     | -   | ┢            | -              | -            | _              |                |  | $\vdash$     |
|          |          |                                     | _   | ⊢            | -              | -            | _              | $\vdash$       |  | ├—           |
|          | 58       |                                     |   | ⊢            | -              | -            | -              | -              |  | ├            |
|          | 59       | _                                   | _   | ⊢            |                | ⊢            | $\vdash$       | <u> </u>       |  | ⊢            |
| <u> </u> | 60       |                                     | _   | -            |                | -            | -              | <del> </del> - | -                                      | H            |
|          | 61       |                                     |   | ⊢            |                | <del> </del> | H              | -              | -                                      | $\vdash$     |
| <u> </u> | 62       |                                     | _   | ⊢            | -              | -            | $\vdash$       | -              | _                                      | ┢            |
|          | 63       |                                     | _   | ⊢            | ├              | -            | ⊢              | <u> </u>       | _                                      | -            |
| <u> </u> | 64       |                                     |   | ┢            | ⊢              | -            | $\vdash$       | $\vdash$       | -                                      | $\vdash$     |
| <u> </u> | 65       |                                     | _   | $\vdash$     | -              | ├            | ⊢              | <u> </u>       | <u> </u>                               | ⊢            |
| -        | 66       |                                     | <u> </u>  |              | ⊢              | <u> </u>     | <del> </del> — | ├              | ├                                      | <del> </del> |
| _        | 67       | _                                   | _   | <del> </del> | $\vdash$       | -            | ├—             | <u> </u>       | $\vdash$                               | -            |
|          | 68       |                                     | _   | <u> </u>     | <u> </u>       | <u> </u>     | <u> </u>       | <u> </u>       | <u> </u>                               | ⊢            |
| ļ        | 69       |                                     |   |              | _              | ļ            | <u> </u>       | <u> </u>       | _                                      | L            |
| <u> </u> | 70<br>71 | _                                   | <u> </u>  | _            | ┞              | <u> </u>     | _              | _              | _                                      | ┡            |
| <u> </u> | 71       |                                     | <u> </u>  | _            | -              | _            | L              | _              | <u> </u>                               | ╙            |
|          | 72       | _                                   | <u> </u>  | ļ            | <del> </del> _ | 1            | <u> </u>       | <u> </u>       |  | ļ            |
| <u> </u> | 73       |                                     | <u> </u>  | Ļ            | _              | <u> </u>     | <u> </u>       | <u> </u>       | <u> </u>                               | <u> </u>     |
|          | 74       |                                     | _   | L.           | 1_             | <u> </u>     | <u> </u>       | <u> </u>       | _                                      | <u> </u>     |
|          | 75       | L.,                                 | _   | <u>L</u>     | <u>L</u>       | <u> </u>     |                | <u> </u>       | L                                      | <u> </u>     |
|          | 76       |                                     | _   | L            | <u> </u>       | <b>!</b>     | _              | <u> </u>       | L_                                     | <u> </u>     |
|          | 77       |                                     | L   | <u> </u>     | _              |              | _              |                |  | $oxed{oxed}$ |
|          | 78<br>79 |                                     |   | L            | _              | <u>_</u>     | ┖              | ļ              |  | L            |
|          | 79       | _                                   |   | L            | ┖              |              |                | <u> </u>       |  | <u> </u>     |
|          | 80       |                                     |   | L            |                | 1_           | <u> </u>       | <u> </u>       | <u> </u>                               | 上            |
|          | 81       |                                     |   | _            | _              |              | _              |                | L                                      | 上            |
|          | 81<br>82 |                                     |   |              |                | L            | _              | L              | _                                      | _            |
|          | 83       | L                                   | Ĺ   |              |                | 1_           | ┖              | $oxed{oxed}$   |  | 1_           |
|          | 84       |                                     |   |              |                | 1            | 乚              | _              | L                                      | <del> </del> |
|          | 85       |                                     | L   | _            | 上              | _            | $\perp$        | _              | <u> </u>                               | 1_           |
|          | 86       | _                                   | L   |              | L              | _            | $\perp$        | <u> </u>       | <u> </u>                               | _            |
|          | 87       |                                     | L   | <u> </u>     | ļ              |              | <u> </u>       | <u> </u>       |  | $\perp$      |
| <u></u>  | 88       | _                                   |   | 上            | $\perp$        | 1            | _              | $\perp$        | <u> </u>                               | L            |
|          | 89       | <u> </u>                            | $oldsymbol{ol}}}}}}}}}}}}}}}}}$ | 1_           | 1              | <u> </u>     | 1_             | _              | ــــــــــــــــــــــــــــــــــــــ | <u> </u>     |
| <u></u>  | 90       | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | _   | 1_           | 1_             | <u> </u>     | ↓_             | $\perp$        | <u> </u>                               | $\vdash$     |
| <u></u>  | 91       | <u> </u>                            | _   | 1_           | $\perp$        | 1_           | _              | <u> </u>       | <u> </u>                               | 1            |
| <u></u>  | 92       |                                     | _   | 1_           | 1              | 1_           | _              | 1              | <u> </u>                               | $\perp$      |
|          | 93       | _                                   | $\perp$   | $\perp$      | $\perp$        | 1_           | 1_             | 1              | <u> </u>                               | _            |
|          | 94       | L                                   | L   | 1_           | 1              | $\perp$      | _              | 1_             | 1                                      | $\perp$      |
|          | 95       |                                     | L   |              | 1_             | $\perp$      |                | $\perp$        | _                                      | _            |
|          | 96       | <u> </u>                            | L   | 1            |                | $\perp$      | _              | _              | $oxed{oxed}$                           | ↓_           |
|          | 97       |                                     | Ĺ   |              |                | 1            |                |                | 1                                      |              |
|          | 98       | $oxedsymbol{oxed}$                  | L   |              |                |              | 1_             | $\perp$        | $\perp$                                | $\perp$      |
|          | 99       |                                     | L   |              |                | $\perp$      | $\perp$        | $\perp$        |  | $\perp$      |
|          | 100      |                                     | Г   |              |                |              |                | 1              | 1                                      | 1            |

| Cla        | Date  |                |           |          |              |              |              |                |          |          |  |
|------------|---|----------------|-----------|----------|--------------|--------------|--------------|----------------|----------|----------|--|
| Final      | Original  |                |           |          |              |              |              |                |          |          |  |
|            | 101   |                |           |          |              |              |              |                |          |          |  |
|            | 102<br>103  |                |           |          |              |              |              |                |          |          |  |
|            | 103   |                |           |          |              |              |              |                |          |          |  |
|            | 104   |                |           |          |              |              |              |                |          |          |  |
|            | 105   |                |           | _        |              | _            | <u> </u>     |                |          | _        |  |
|            | 106   |                |           | <u> </u> | _            | <u> </u>     | <u> </u>     | _              | -        | 4        |  |
|            | 107   | _              |           |          | _            | <u> </u>     |              | $\vdash$       |          |          |  |
|            | 108<br>109  | <u> </u>       |           | $\vdash$ |              | ┝            |              | H              | $\vdash$ |          |  |
|            | 110   |                | _         | _        | -            |              | ┢            | $\vdash$       | -        |          |  |
|            | 111   | -              | _         | _        |              |              | 1            | $\vdash$       | -        | П        |  |
|            | 111<br>112<br>113<br>114<br>115   | <u> </u>       |           |          |              |              |              |                |          |          |  |
|            | 113   |                |           |          |              |              |              |                |          |          |  |
|            | 114   |                |           |          |              |              |              |                |          |          |  |
|            | 115   |                |           |          | L            | L            |              | L              |          | Щ        |  |
|            | 116<br>117  |                | <u> </u>  |          | L            | <u> </u>     | _            | <u> </u>       |          | Ш        |  |
|            | 117   | _              | -         |          | ┡            | <u> </u>     | _            | ┡              | _        | Н        |  |
|            | 118   | <u> </u>       | -         | <u> </u> |              | ⊢            | ⊢            |                | -        | Н        |  |
|            | 119   | <del> </del> — | ┢         | ├        | -            |              | ┢            | ├              |          | $\vdash$ |  |
|            | 121   | ┢              | ┝         | ┼─       | ⊢            | ┢            | <del> </del> | ╁              | -        | Н        |  |
|            | 122   | ┢              | ├-        | $\vdash$ | H            | <del> </del> | ┢            |                | -        | Н        |  |
|            | 123   | $\vdash$       | 1         |          | Г            | † <u> </u>   | t            |                | $\Box$   | П        |  |
|            | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 | T              | T         |          |              |              |              | Г              | T        | П        |  |
|            | 125   |                |           |          |              |              |              |                |          |          |  |
|            | 126   |                |           |          |              |              |              |                |          | Ш        |  |
|            | 127   | <u> </u>       | ┖         | _        |              |              | _            | <u> </u>       | 辶        |          |  |
|            | 128   | ļ              | L         | ╙        | ↓_           | <u> </u>     | <u> </u>     | <del> </del> _ | _        |          |  |
| L          | 129   | <u> </u>       | <u> </u>  | 1        |              | ┡            | <u> </u>     | ├-             | <u> </u> |          |  |
|            | 130<br>131<br>132   | ┝              | <u> </u>  | ⊢        | <del> </del> | ├            | ┡            | -              | -        |          |  |
| <b>├</b> - | 131   | ╀              | -         | ⊢        | ├            | ╁            | ┢            | ├-             | $\vdash$ | $\vdash$ |  |
| -          | 132   | ╁╴             | ╁         | ╁        | ┼─           | $\vdash$     | ╫            | $\vdash$       | 一        |          |  |
|            | 133<br>134  | $t^-$          | t         | +-       | $\vdash$     | t            | t            | T              | $\vdash$ | Н        |  |
|            | 135   | $t^-$          | T         | 1        | T            | T            |              | T              | T        | П        |  |
|            | 136   | 1              |           |          | T            | 1            |              |                |          |          |  |
|            | 137   | L              |           |          |              |              |              |                |          |          |  |
|            | 138   |                | L         |          |              | L            |              | _              |          | Ш        |  |
|            | 139   | <u> </u>       | _         |          | ↓_           | _            | <u> </u>     | 1_             | 1_       | _        |  |
| <u> </u>   | 140   | <del> </del>   | 1         | ├-       | ╀            | 1            |              | $\vdash$       | -        | <b> </b> |  |
| <u> </u>   | 141   | ↓_             | $\vdash$  | +-       | ╀            | ╀            | +-           | ╁              | +-       | -        |  |
| -          | 142   | +-             | +         | +-       | $\vdash$     | ┼-           | +            | $\vdash$       | +-       |          |  |
| <u> </u>   | 144   | +              | +         | +        | +            | ╁            | $\vdash$     | +              | +        | $\vdash$ |  |
| <b> </b>   | 145   | +              | ╁╴        | +        | $\vdash$     | T            | T            | $t^-$          | T        | $\vdash$ |  |
| $\vdash$   | 146   | $t^{-}$        | $\dagger$ | +        | 1            |              | T            | T              | t        | T        |  |
|            | 147   | t              | $\dagger$ | $\top$   | t            | T            | 1            | T              |          |          |  |
|            | 148   | $\top$         | Ť         | 1        |              | Ι            |              |                |          |          |  |
|            | 149   | I              |           |          | L            | Γ            |              |                |          |          |  |
|            | 150   |                | L         |          |              |              |              | L              |          |          |  |